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Payne

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(54) **SOLAR BOILER PANEL ARRANGEMENT**

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(58) **Field of Classification Search**

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See application file for complete search history.

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(57) **ABSTRACT**

A solar boiler **300** includes first and second primary receiver panels **500**, **600** spaced apart by a gap **700**. Each panel **500**, **600** include a plurality of primary boiler tubes **510**, **610** for receiving solar flux. The boiler **300** includes at least one secondary receiver arrangement **800** disposed across the gap **700** for receiving solar flux incident thereacross. The arrangement **800** includes at least one secondary boiler tube **810**, and at least one support member **820** supported thereto. The arrangement **800** is configured relative to the primary panels **500**, **600** such that endmost primary boiler tubes **510***a*, **610***a* are supported over the support member **820** in spaced relation 'S' to the secondary boiler tube **810** for enabling transverse and lateral thermal expansion of the tubes **510**, **610**, **810** without bending out. Further, a panel joining attachment **900** is provided for attaching the panels **500**, **600** and the arrangement **800**.

9 Claims, 3 Drawing Sheets